

PAT-NO: JP411193452A  
DOCUMENT-IDENTIFIER: JP 11193452 A  
TITLE: PRODUCTION OF HOT DIP ZINC-MAGNESIUM-ALUMINUM  
STEEL SHEET, AND HOT DIPPING BATH AND HOT DIP  
ZINC-MAGNESIUM -ALUMINUM COATED STEEL SHEET  
PUBN-DATE: July 21, 1999

INVENTOR-INFORMATION:

NAME	COUNTRY
NISHIMURA, KAZUMI	N/A
MORIMOTO, YASUhide	N/A
NIIGASHIRA, HIDETOSHI	N/A

ASSIGNEE-INFORMATION:

NAME	COUNTRY
NIPPON STEEL CORP	N/A

APPL-NO: JP10000047  
APPL-DATE: January 5, 1998

INT-CL (IPC): C23C002/06, C23C002/12

ABSTRACT:

PROBLEM TO BE SOLVED: To reduce the formation of dross in a hot dipping bath and to provide a hot dip Zn-Mg-Al coated steel sheet where external appearance of plating and corrosion resistance are secured.

SOLUTION: Hot dipping is performed by using a hot dipping bath having a composition consisting of, by weight, 0.1-30% Mg, 0.1-70% Al, and the balance essentially Zn with inevitable impurities. This hot dipping bath is prepared by melting Al in a molten Zn bath and then melting at least one kind selected from the group consisting of Mg, Mg-Zn alloys, and Mg-Zn-Al alloys in it.

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